

WHAT IS CLAIMED IS:

1. A multiblade blower, comprising an impeller having a plurality of blades placed circumferentially, and taking in air from a side of an inner diameter end portion of each of the blades and discharging the air from a side of an outer diameter end portion of each of the blades by rotation of the impeller,

wherein two or more of blade groups in each of which said blades are placed in a ring shape are placed at least in a diameter direction inside and outside, and each blade of the outer blade group out of the blade groups is placed inside air flows passing between blades of the inner blade group.

2. The multiblade blower according to claim 1,

wherein said inner blade group comprises a plurality of main blades and said outer blade group comprises a plurality of auxiliary blades, and an inner diameter end portion of each of the auxiliary blades is placed between a pressure surface of an outer diameter end portion of one of the adjacent main blades and a suction surface of the other main blade.

3. The multiblade blower according to claim 2,

wherein a space between the inner diameter end portion of each of the auxiliary blade and the pressure surface of one of the main blades is made smaller than a space between the inner diameter end portion of each of the auxiliary blades and the suction surface of the other main blade.

4. The multiblade blower according to claim 3,

wherein said each blade is in a wing shape in a cross-section.

5. The multiblade blower according to claim 4,
wherein said impeller is integrally formed of a resin.
6. The multiblade blower according to claim 5,
wherein warping of said main blade is larger than warping of said
auxiliary blade.
7. The multiblade blower according to claim 6,
wherein a chord length of said main blade is larger than a chord
length of said auxiliary blade.
8. The multiblade blower according to claim 7,
wherein a thickness dimension of said main blade is larger than
a thickness dimension of said auxiliary blade.